

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A self-light-emitting device comprising:

a TFT;

a pixel electrode over said TFT;

a light emitting layer over said pixel electrode; and

a cathode over said light emitting layer,

wherein said pixel electrode comprises an electrode hole which is filled up with an insulator comprising an organic resin, and

wherein said pixel electrode is connected to said TFT.

2. (Previously Presented) A self-light-emitting device comprising:

a TFT;

a pixel electrode over said TFT;

a light emitting layer over said pixel electrode; and

a cathode over said light emitting layer,

wherein said pixel electrode comprises an electrode hole which is filled up with an insulator comprising an organic resin,

wherein said pixel electrode is connected to said TFT, and

wherein said insulator in said electrode hole is sandwiched between said pixel electrode and said light emitting layer.

3. (Previously Presented) A self-light-emitting device comprising:

a TFT;

a pixel electrode over said TFT;

a light emitting layer over said pixel electrode; and

a cathode over said light emitting layer,

wherein said pixel electrode comprises an electrode hole which is filled up with an insulator comprising an organic resin,

wherein said pixel electrode is connected to said TFT, and

wherein said light emitting layer is also formed over a surface of said insulator.

4. (Previously Presented) A self-light-emitting device comprising:

a TFT;

a pixel electrode over said TFT;

a light emitting layer over said pixel electrode; and

a cathode over said light emitting layer,

wherein said pixel electrode comprises an electrode hole which is filled up with an insulator comprising an organic resin,

wherein said pixel electrode is connected to said TFT, and

wherein said light emitting layer and said insulator are sandwiched between said pixel electrode and said cathode.

5. (Currently Amended) A self-light-emitting device comprising:

a plurality of TFTs;

a plurality of pixel electrodes over said TFTs;

a light emitting layer over said pixel electrodes; and

a cathode over said light emitting layer,

wherein said pixel electrodes are connected to said TFTs, respectively,

wherein a plurality of said pixel electrodes are formed in a pixel portion and an insulator is formed in each at least one of spaces between said pixel electrodes, and

wherein a thickness of a portion of the insulator higher than a top surface of the pixel electrodes is 0.1 to 1 μ m.

6. (Previously Presented) A self-light-emitting device according to claim 1, wherein a surface of said pixel electrode and a surface of said insulator are planarized to be flush with each other.

7. (Previously Presented) An electric equipment, which uses a self-light emitting device according to claim 1 as a display portion or a light source.

8 to 14. (Canceled)

15. (Currently Amended) A self-light-emitting device comprising:

at least one electric current controlling element;

at least one interlayer insulating film formed over said electric current controlling element;

a contact hole opened in said interlayer insulating film;

a pixel electrode formed over said interlayer insulating film and electrically connected to said electric current controlling element through said contact hole;

an insulating layer comprising an organic resin formed ~~on~~ over a portion of said pixel electrode in said contact hole;

a light emitting layer formed over said pixel electrode and said insulating layer; and

a second electrode formed over said light emitting layer.

16. (Previously Presented) The self-light-emitting device according to claim 15 wherein said electric current controlling element comprises a thin film transistor.

17. (Previously Presented) The self-light-emitting device according to claim 15 wherein said electric current controlling element comprises a transistor formed within a silicon substrate.

18. (Previously Presented) The self-light-emitting device according to claim 15 wherein said pixel electrode is an anode while said second electrode is a cathode.

19. (Previously Presented) The self-light-emitting device according to claim 15 wherein said pixel electrode is a cathode while said second electrode is an anode.

20. (Previously Presented) The self-light-emitting device according to claim 15 wherein said light emitting layer comprises at least one organic material.

21. (Currently Amended) The self-light-emitting device according to claim 15 ~~wherein a~~

~~surface of said insulating layer is substantially flush with a surface of said pixel electrode wherein a thickness of a portion of the insulating layer higher than a top surface of the pixel electrodes is 0.1 to 1μm.~~

22. (Previously Presented) A self-light-emitting device comprising:

- at least first and second switching elements;
- at least one interlayer insulating film formed over said first and second switching elements;
- at least first and second pixel electrodes formed over said interlayer insulating film wherein said first and second pixel electrodes are electrically connected to said first and second switching elements, respectively;
- an insulating layer formed in a gap between said first and second pixel electrodes;
- a light emitting layer formed over said first and second pixel electrodes and said insulating layer; and
- a third electrode formed over said light emitting layer opposed to said first and second pixel electrodes,

wherein a thickness of a portion of the insulating layer higher than a top surface of the pixel electrodes is 0.1 to 1μm.

23. (Previously Presented) The self-light-emitting device according to claim 22 wherein said electric current controlling element comprises a thin film transistor.

24. (Previously Presented) The self-light-emitting device according to claim 22 wherein said electric current controlling element comprises a transistor formed within a silicon substrate.

25. (Previously Presented) The self-light-emitting device according to claim 22 wherein each of said first and second pixel electrodes is an anode while said third electrode is a cathode.

26. (Previously Presented) The self-light-emitting device according to claim 22 wherein each of said first and second pixel electrodes is a cathode while said third electrode is an anode.

27. (Previously Presented) The self-light-emitting device according to claim 22 wherein said light emitting layer comprises at least one organic material.

28. (Previously Presented) The self-light-emitting device according to claim 22 wherein a surface of said insulating layer is substantially flush with a surface of said first and second pixel electrodes.

29. (Canceled)

30. (Original) An electronic device having the self-light emitting device according to claim 15.

31. (Original) An electronic device having the self-light emitting device according to claim 22.

32. (Canceled)

33. (Original) An electronic device according to claim 30 wherein said electronic device is selected from the group consisting of a video camera, a head mounted EL display, an image playback device, a portable computer, a personal computer, a cellular phone and an audio playback device.

34. (Original) An electronic device according to claim 31 wherein said electronic device is selected from the group consisting of a video camera, a head mounted EL display, an image playback device, a portable computer, a personal computer, a cellular phone and an audio playback device.

35. (Currently Amended) A self-light-emitting device according to claim 2, ~~wherein a surface of said pixel electrode and a surface of said insulator are planarized to be flush with each other wherein a thickness of a portion of the insulator higher than a top surface of the pixel electrodes is 0.1 to 1 μ m.~~

36. (Currently Amended) A self-light-emitting device according to claim 3, ~~wherein a surface of said pixel electrode and a surface of said insulator are planarized to be flush with each other wherein a thickness of a portion of the insulator higher than a top surface of the pixel electrodes is 0.1 to 1 μ m.~~

37. (Currently Amended) A self-light-emitting device according to claim 4, ~~wherein a surface of said pixel electrode and a surface of said insulator are planarized to be flush with each other wherein a thickness of a portion of the insulator higher than a top surface of the pixel electrodes is 0.1 to 1 μ m.~~

38. (Previously Presented) A self-light-emitting device according to claim 5, wherein surfaces of said pixel electrodes and surfaces of said insulator are planarized to be flush with each other.

39. (Previously Presented) An electric equipment, which uses a self-light-emitting device according to claim 2, as a display portion or a light source.

40. (Previously Presented) An electric equipment, which uses a self-light-emitting device according to claim 3, as a display portion or a light source.

41. (Previously Presented) An electric equipment, which uses a self-light-emitting device according to claim 4, as a display portion or a light source.

42. (Previously Presented) An electric equipment, which uses a self-light-emitting device according to claim 5, as a display portion or a light source.

43. (Canceled)

44. (Previously Presented) An electric equipment, which uses a self-light-emitting device according to claim 15, as a display portion or a light source.

45. (Previously Presented) An electric equipment, which uses a self-light-emitting device

according to claim 22, as a display portion or a light source.

46-50. (Canceled)

51. (Previously Presented) The self-light-emitting device according to claim 15 wherein said self-light-emitting device is a passive display device.

52. (Previously Presented) The self-light-emitting device according to claim 22 wherein said self-light-emitting device is a passive display device.

53. (Previously Presented) The self-light-emitting device according to claim 1 wherein said light emitting layer comprises at least an organic material.

54. (Previously Presented) The self-light-emitting device according to claim 2 wherein said light emitting layer comprises at least an organic material.

55. (Previously Presented) The self-light-emitting device according to claim 3 wherein said light emitting layer comprises at least an organic material.

56. (Previously Presented) The self-light-emitting device according to claim 4 wherein said light emitting layer comprises at least an organic material.

57. (Previously Presented) The self-light-emitting device according to claim 5 wherein said

light emitting layer comprises at least an organic material.

58-64. (Canceled)

65. (Previously Presented) A self-light-emitting device according to claim 1, wherein the organic resin comprises a material selected from the group consisting of acrylic resin, polyimide resin, a polyamide resin.

66. (Previously Presented) A self-light-emitting device according to claim 2, wherein the organic resin comprises a material selected from the group consisting of acrylic resin, polyimide resin, a polyamide resin.

67. (Previously Presented) A self-light-emitting device according to claim 3, wherein the organic resin comprises a material selected from the group consisting of acrylic resin, polyimide resin, a polyamide resin.

68. (Previously Presented) A self-light-emitting device according to claim 4, wherein the organic resin comprises a material selected from the group consisting of acrylic resin, polyimide resin, a polyamide resin.

69. (Previously Presented) A self-light-emitting device according to claim 15, wherein the organic resin comprises a material selected from the group consisting of acrylic resin, polyimide resin, a polyamide resin.

70. (Previously Presented) A self-light-emitting device according to claim 1, wherein the organic resin comprises a resin containing a high molecular compound of siloxane.

71. (Previously Presented) A self-light-emitting device according to claim 2, wherein the organic resin comprises a resin containing a high molecular compound of siloxane.

72. (Previously Presented) A self-light-emitting device according to claim 3, wherein the organic resin comprises a resin containing a high molecular compound of siloxane.

73. (Previously Presented) A self-light-emitting device according to claim 4, wherein the organic resin comprises a resin containing a high molecular compound of siloxane.

74. (Previously Presented) A self-light-emitting device according to claim 15, wherein the organic resin comprises a resin containing a high molecular compound of siloxane.

75. (Previously Presented) A self-light-emitting device according to claim 1, wherein the organic resin comprises CYCLOTEN.

76. (Previously Presented) A self-light-emitting device according to claim 2, wherein the organic resin comprises CYCLOTEN.

77. (Previously Presented) A self-light-emitting device according to claim 3, wherein the organic resin comprises CYCLOTEN.

78. (Previously Presented) A self-light-emitting device according to claim 4, wherein the organic resin comprises CYCLOTEN.

79. (Previously Presented) A self-light-emitting device according to claim 15, wherein the organic resin comprises CYCLOTEN.

80. (Previously Presented) A self-light-emitting device according to claim 1, wherein the viscosity of the organic resin is 10^{-3} Pa• s to 10^{-1} Pa• . s.

81. (Previously Presented) A self-light-emitting device according to claim 2, wherein the viscosity of the organic resin is 10^{-3} Pa• s to 10^{-1} Pa• . s.

82. (Previously Presented) A self-light-emitting device according to claim 3, wherein the viscosity of the organic resin is 10^{-3} Pa• s to 10^{-1} Pa• . s.

83. (Previously Presented) A self-light-emitting device according to claim 4,

wherein the viscosity of the organic resin is 10^{-3} Pa \cdot s to 10^{-1} Pa \cdot s.

84. (Previously Presented) A self-light-emitting device according to claim 15,

wherein the viscosity of the organic resin is 10^{-3} Pa \cdot s to 10^{-1} Pa \cdot s.